

SUPSHIP JACKSONVILLE
LOCAL STANDARD ITEMS
NUMERICAL INDEX

03 JAN 2001

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SUPSHIP JACKSONVILLE
LOCAL STANDARD ITEM

FY-02

ITEM NO: 099-51JA
DATE: 28 JUL 1998
CATEGORY: I

1. SCOPE:

1.1 Title: Non-Hazardous Liquid Waste Removal; Naval Station Oily Waste/Waste Oil (OW/WO) Collection System, Government Sludge Barge or Donut, or Contractor-Furnished Sludge Barge/Container; accomplish

2. REFERENCES:

- a. Standard Items
- b. Standard Operating Manual for the Waste Oil Raft (NAVFAC MO-350)

3. REQUIREMENTS:

3.1 Accomplish the requirements of 009-09 of 2.a for the removal of non-hazardous liquid waste, sludge, and debris (including the assignment of contractor and subcontractor supervisory personnel and safety precautions), as identified in 3.2 through 3.10 and Coast Guard Operations Manual approved for your operation.

3.2 Comply with the following requirements to obtain authorization for pumping operations of non-hazardous liquid waste.

3.2.1 Deliver or FAX to Public Works Center (PWC) (542-3269) the original completed copy of the Waste Oil Transfer Authorization Sheet and Attachment A for authorization signatures on the day pumping operations are to be accomplished.

3.2.1.1 Submit or FAX two completed signed copies of the Waste Oil Transfer Authorization Sheet, one to the SUPERVISOR and one to the OW/WO Treatment Plant, prior to use of the OW/WO collection system.

3.2.1.2 The original signed copy of the Waste Oil Transfer Authorization Sheet and Attachment A shall be in custody of the contractor's on-site representative during pumping operations.

3.2.2 Submit two completed copies of Attachment B to the SUPERVISOR for off-base disposal.

(V)(G) "VERIFICATION OF INITIAL HOOK-UP"

3.2.3 Hook up discharge hoses to the pierside OW/WO collection system riser utilizing an in-line strainer.

3.2.3.1 Clear area of strainer shall be a minimum of 2-1/2 times the area of the connecting pipe.

3.2.3.2 Strainer basket shall be made of perforated steel with holes spaced to have a minimum of 40 percent open area and of a diameter that will not allow an object .250 inch in size to pass through.

3.2.3.3 Strainer containment unit shall have inspection covers to verify proper strainer basket size prior to pumping.

3.2.3.4 Obtain signatures of the SUPERVISOR's representative, the prime contractor, and the OW/WO Treatment Plant authorized representative on the original copy of Attachment A, to verify the inspection of the strainer for an acceptable hook-up.

3.3 Comply with the following requirements for pumping into the OW/WO collection system.

(V)(G) "VERIFICATION OF INITIAL HOOK-UP"

3.3.1 Identify and hook hoses to the contractor's containers (tank truck, sludge barge, or donut) and discharge hoses to the pierside OW/WO collection system in accordance with 3.2.3.

3.3.2 Pump non-hazardous liquid OW/WO Monday through Friday during normal working hours.

3.3.2.1 Normal working hours of pipeline are 0800 to 1500.

3.3.3 Pumping outside working hours shall require prior approval of the Senior Officer Present Afloat (SOPA) or his direct representative (270-5266).

3.3.3.1 Provide adequate lighting to ensure safety and detection of spills.

3.3.4 Obtain authorization from the OW/WO Treatment Plant operator and Naval Station Operations Officer 72 hours in advance if pumping is required outside normal working hours, Saturday, Sunday, or holidays. When 72-hour advance notice cannot be given, contact the Navy Public Works Center (PWC) Jacksonville Zone Mayport Manager (270-5189), PWC JAX Station Service Contractor (270-5450), and Naval Station Operations Officer (270-5266).

(V)(G) "VERIFY EMPTY CONTAINER"

3.3.5 Contractor container (tank, tank truck) shall be empty upon arrival at Mayport Naval Station, containing no hazardous/non-hazardous waste or residue.

3.3.6 Pumping into waste oil collection system shall not exceed 12,000 gallons per hour or 84,000 gallons per day.

3.3.7 Use centrifugal, reciprocating, or gear pumps which take a direct suction on the space to be pumped.

3.3.7.1 Eductor or jet pumps will be used only in emergency conditions with prior approval of PWC Jacksonville Zone Mayport Manager (270-5189), PWC JAX Station Service Contractor (270-5450), the Naval Station Operations Officer (270-5266), and the SUPERVISOR.

3.3.8 Station a watch at the appropriate lift station for the duration of pumping operations. Watch shall be in direct communication with the pumping unit and the pumping station, and is responsible for securing pumping operations under the following conditions:

3.3.8.1 Lift station wet well level exceeds six feet and/or the alarm sounds.

3.3.8.2 Lift station pump fails to start when level rises to three feet.

3.3.8.3 Lift station pump stops for any reason (loss of electricity, thermal overload, mechanical failure, etc.) other than low level.

3.3.8.4 Shut down the generating flow immediately and contact the PWC Jacksonville Zone Mayport Manager (270-5189), PWC JAX Station Service Contractor (270-5450), and the NAVSTA Command Duty Officer (270-5401).

3.3.9 Berth B-1 North connection shall be used for discharge of liquid waste from sludge barges only.

(V)(G) "VERIFICATION OF DISCONNECT"

3.3.10 Upon completion of pumping operation disassemble and clean strainer. Dispose of debris off station in a container labeled with contents and contractor's name in accordance with federal, state, and local regulations.

3.3.11 Containers departing from Mayport Naval Station in other than an empty state, shall be as authorized by the SUPERVISOR.

(V)(G) "LIQUID CONTENT/LEVEL"

3.3.12 Containers shall be jointly inspected with the SUPERVISOR and the container identification number, liquid content, and liquid level.

3.3.12.1 Record prior to departure from each worksite and the Naval Station.

3.4 Comply with the following requirements for pumping into a Government sludge barge.

(V)(G) "VERIFICATION OF INITIAL HOOK-UP"

3.4.1 Hook hoses to the Government sludge barge and discharge hoses to the pierside waste oil collection system in accordance with 3.2.3.

3.4.2 Notify Service Craft Division Duty Officer (270-5266) 24 hours prior to any requirement for a sludge barge.

(V)(G) "VERIFICATION THAT CONTAINER IS AT LOW SUCTION"

3.4.3 Prior to commencing pumping operation verify container is pumped to low suction. Pump non-hazardous waste from ship to donut or barge during normal working hours only. Comply with the requirements of 3.2.3 and 3.3.4 in the event it is necessary to pump outside normal working hours.

3.4.3.1 Normal working hours are 0800 to 1500.

3.4.3.2 Provide shut-off valve connected to the hose at the donut or barge.

3.4.4 Visually inspect donut (waste oil raft) for safe conditions of list, trim, and load attitude, and take sounding readings daily prior to pumping, using 2.b as guidance.

(V)(G) "VISUAL INSPECTION"

3.4.5 Visually inspect sludge barge for safe condition of list, trim, and load attitude prior to pumping.

3.4.5.1 Closely monitor the tank levels during pumping evolution as the sludge barges are not equipped with interconnecting tanks.

3.4.5.2 Submit one legible copy of a report to the SUPERVISOR listing inspection results.

3.4.6 Use centrifugal, reciprocating, or gear pumps which take a direct suction on the space to be pumped.

3.4.6.1 Eductor or jet pumps will be used only in emergency conditions with prior authorization of PWC Jacksonville Zone Mayport Manager (270-5189), PWC JAX Station Service Contractor (270-5450), the Naval Station Operations Officer (270-5266), and the SUPERVISOR.

3.4.7 Control pumping operations to maintain safe loading.

3.4.7.1 Station a watch at the pump and on the barge or donut with direct communication between them.

3.4.8 Load the donut, ensuring that safe list and trim attitudes are maintained during and upon completion of pumping, using 2.b as guidance.

3.4.9 Load the barge, ensuring that no tank is overfilled and that safe list and trim attitudes are maintained, using the following loading sequence:

3.4.9.1 Fill midships starboard tank to 50 percent full.

3.4.9.2 Fill midships port tank to 50 percent full.

3.4.9.3 Fill forward starboard tank to 50 percent full.

3.4.9.4 Fill after port tank to 50 percent full.

3.4.9.5 Fill forward port tank to 50 percent full.

3.4.9.6 Fill after starboard tank to 50 percent full.

3.4.9.7 Fill midships starboard tank to 90 percent full.

3.4.9.8 Fill midships port tank to 90 percent full.

3.4.9.9 Fill forward starboard tank to 90 percent full.

3.4.9.10 Fill after port tank to 90 percent full.

3.4.9.11 Fill forward port tank to 90 percent full.

3.4.9.12 Fill after starboard tank to 90 percent full.

3.4.10 Maintain a record for each ship where pumping operations are taking place. Record shall contain:

3.4.10.1 Date and time pumping operations commenced and ceased.

3.4.10.2 Name of contractor and employee in charge of pumping operations.

3.4.10.3 Submit one legible copy of the records to the SUPERVISOR.

3.4.11 Visually inspect the sludge barge for safe condition of list, trim, and load attitude upon completion of pumping.

3.4.11.1 Submit one legible copy of a report to the SUPERVISOR listing inspection results.

3.5 Dispose of non-hazardous liquid waste as follows:

3.5.1 Dispose of over-chlorinated water in accordance with federal, state, and local laws, codes, ordinances, and regulations, considering minimization as an alternative.

3.5.2 Dispose of CHT/boiler non-hazardous liquid waste as follows:

3.5.2.1 CHT/boiler non-hazardous liquid waste shall not be pumped into the bilge.

3.5.2.2 Discharge liquid waste to a pierside settling tank and test for pH.

3.5.2.3 Liquid waste that tests to a pH of less than 6.0 should be neutralized with NaHCO_3 (sodium bicarbonate) and liquid waste that tests to a pH of greater than 8.0 should be neutralized with diluted acetic acid so that the pH will be 6.0 to 8.0.

3.5.2.4 Pump liquid waste with a pH of 6.0 to 8.0 from the settling tank to the Naval Station pierside sewage connection through a debris strainer. Debris strainer shall be constructed to allow for on-site verification of proper operation and shall be equipped with a sample connection on the discharge side. Strainer basket shall be made of perforated steel with holes spaced to have a minimum of 40 percent open area and of a diameter that will not allow an object .250 inch in size to pass through.

3.5.3 Disposal instructions other than 3.5.1 and 3.5.2 shall be provided by the invoking Work Item.

3.5.3.1 Prior to removal of non-hazardous waste from the Naval Station, submit four legible copies of a completed Attachment B to the SUPERVISOR.

3.5.3.2 Submit four legible copies of a certification of disposal signed by the owner or operator of the facility to the SUPERVISOR within 48 hours of disposition.

3.6 Control pumping operations to preclude spillage.

3.6.1 Install and maintain an oil containment boom throughout the entire availability (defined as five days after the start date of the availability or one day prior to the start of pumping operations, whichever comes first), unless otherwise directed by the SUPERVISOR.

3.6.2 Install the oil containment boom from the bow and stern to the pier when pumping is done on the pier side of the ship, except as follows:

3.6.2.1 Where hoses or connectors aboard the ship are located on the weather decks or area of the ship that would allow a spill to flow to the side opposite the pier, there shall be boom containment all around the ship.

3.6.3 The oil containment boom shall be maintained at the proper depth/height and leak proof.

3.6.3.1 Submit one legible copy of the specifications for the boom type to be deployed to the SUPERVISOR prior to deployment.

3.6.4 Report accidental spillages immediately to the Mayport Naval Station Command Duty Officer (270-5401), Operations Officer (270-5266), and the SUPERVISOR.

(V)(G) "VERIFICATION OF CONTENTS"

3.6.5 Each pumping operation shall have a spill clean-up kit consisting, as a minimum, of the following:

3.6.5.1 25-foot length booms (8 EA) with the ability to deploy for use.

3.6.5.2 24-inch by 24-inch absorbent pads in 4 bags (400 EA) or paper booms (200 feet).

3.6.5.3 50-pound bags of Oilsorb (8 EA).

3.6.6 Take immediate action to contain and clean up spillages.

3.6.7 Ensure hoses and hose connections do not leak.

3.6.8 Ensure valves are opened and closed by authorized contractor personnel only.

3.6.9 Perform a spill cleanup drill in accordance with the process control procedure provided in 3.1 (not to exceed more than one per pumping operation) by direction of the SUPERVISOR.

3.7 Secure pumping operations during Thunderstorm Condition I, Gale/Storm/Hurricane Condition I, or during local lightning conditions.

3.8 Remove and dispose of non-pumpable sludge and debris from tanks and strainers off the Naval Station in accordance with federal, state, and local laws, codes, ordinances, and regulations.

3.9 Provide chemical analysis of liquid waste and debris in accordance with applicable federal, state, and local codes, ordinances, and regulations, and Naval Station requirements.

3.9.1 One chemical analysis is required for each containment (Engine Rm, Space, etc.) or for each type of liquid (fuel oil, JP-5, etc.).

3.9.2 Submit four legible copies of the chemical analysis identifying the volume of the liquid each sample was taken from to the SUPERVISOR.

3.10 Remove and secure equipment and hoses. Clean area upon completion of pumping operations.

4. NOTES:

4.1 This item applies to non-hazardous liquid waste only.

4.2 Approval of pumping outside normal working hours will be through the SUPERVISOR.

4.3 No liquid waste or sludge (debris) from other pumping operations is to be combined with that covered by this item without prior written approval of the SUPERVISOR.

4.4 The SUPERVISOR will provide a Technical Certification Statement for each use of the OW/WO Collection System.

ATTACHMENT A

MEMORANDUM

From: SUPSHIP Jacksonville
To: PWC JAX Mayport Zone Manager
Subj: USE OF NAVSTA OW/WO PIER RISER SYSTEM

(PLEASE PRINT)

DATE	_____	SOURCE	_____
SHIP	_____	SUB KTR	_____
CONTRACTOR	_____	ITEM NR	_____
SURVEYOR	_____	DSR NR	_____

TECHNICAL CERTIFICATION STATEMENT

IN ACCORDANCE WITH PUBLIC WORKS CENTER JACKSONVILLE REQUIREMENTS AND APPLICABLE CODE OF FEDERAL REGULATIONS FOR DISPOSAL OF WASTE LIQUIDS, I CERTIFY THAT THE LAB ANALYSIS HAS BEEN REVIEWED AND IS SATISFACTORY FOR DISPOSAL THROUGH THE NAVSTA OW/WO PIER RISER SYSTEM.

SUPERVISORY SURVEYOR

ATTACHMENT B

I hereby declare that the waste oil transferred is as described on Attachment B and does not contain prohibited substances as listed on Attachment A, and in accordance with OPNAVINST 5090.1, I certify that no HM/HS/HW has been introduced into

_____ of USS _____
SPACE(S) SHIP AND HULL NUMBER

by Ship's Force.

DATE SIGNATURE
COMMANDING OFFICER'S AUTHORIZED
REPRESENTATIVE

This is to certify that no HM/HS/HW has been introduced into

_____ of USS _____ by
SPACE(S) SHIP AND HULL NUMBER

_____ during this availability.
SUBCONTRACTOR

DATE SIGNATURE
SUBCONTRACTOR'S AUTHORIZED
REPRESENTATIVE

Work Item: _____ Serial No.: _____
This is to certify that _____ tank truck,
license number _____ is empty and contains no
hazardous residue.

DATE SIGNATURE
SUBCONTRACTOR'S AUTHORIZED
REPRESENTATIVE

AUTHORIZATION STAMP (FOR OFF-BASE DISPOSAL)

CONTRACTOR

SOPA Approval for Operations Other
than Normal working hours

TRUCK LICENSE NO.

SUPSHIP JACKSONVILLE
LOCAL STANDARD ITEM

FY-02

ITEM NO: 099-52JA
DATE: 28 JUL 1998
CATEGORY: I

1. SCOPE:

1.1 Title: Notification of Hazardous Material (H/M) or Hazardous Waste (H/W) Transportation; accomplish

2. REFERENCES:

a. None.

3. REQUIREMENTS:

3.1 Accomplish the requirements of 009-09 of 2.a for the control, management, and notification of the transportation of H/M or H/W by the contractor or designated agent.

3.2 H/M or H/W to be transported shall be accompanied by a completed signed copy of Attachment A as follows:

3.2.1 When in quantities of 5 gallons/5 pounds or more and;

3.2.1.1 When transported to or removed from Naval Station Mayport in conjunction with an availability or;

3.2.1.2 When transported from the contractor's facility for the purpose of disposal, minimization or recycling, in conjunction with an availability.

3.3 Prior to the transportation of the H/M or H/W described in 3.2, submit two completed copies of Attachment A to the SUPERVISOR for signature.

3.3.1 Provide a copy of the applicable transmittal form for H/W with Attachment A.

4. NOTES:

4.1 The SUPERVISOR will submit a list of SUPSHIP Jacksonville personnel authorized to sign the Notification of Transportation of H/M or H/W by the contractor.

4.2 HW generated from Navy contracts is to be segregated and not mixed with HW from other sources.

ATTACHMENT A

HAZARDOUS MATERIAL (H/M) AND/OR HAZARDOUS WASTE (H/W)
TRANSPORTATION NOTIFICATION

SHIP NAME AND HULL NO: _____

AVAILABILITY NO: _____

WORK ITEM NUMBER: _____

CHANGE ITEM NO: _____

H/M AND/OR H/W IDENTIFICATION

H/M IDENTIFICATION:

NAME: _____

H/W IDENTIFICATION:

NAME: _____

EPA IDENTIFICATION NO: _____

CONTAINER TYPE: _____

QUANTITY: _____

TRANSPORTATION DATA

FROM: _____

TO: _____

CONTRACTOR: _____

CONTRACTOR REPRESENTATIVE: _____ DATE: _____

SUPSHIP REPRESENTATIVE: _____ DATE: _____

SUPSHIP JACKSONVILLE
LOCAL STANDARD ITEM

FY-02

ITEM NO: 099-53JA
DATE: 03 JAN 2000
CATEGORY: I

1. SCOPE:

1.1 Title: Temporary Flammable Liquid Storage and Hazardous Material Storage Units; provide

2. REFERENCES:

- a. 29 CFR, Part 1915, OSHA
- b. National Fire Protection Association Standard 30
- c. National Fire Protection Association Standard 70

3. REQUIREMENTS:

3.1 Provide two lockable, weatherproof storage units, each conforming to the requirements of 2.a through 2.c, from the first day of the contract to the last day of the contract.

3.1.1 One unit shall be for flammable liquids storage (paint, flammable, and corrosive liquids).

3.1.2 One unit shall be for hazardous materials storage.

3.2 In addition to the requirements of 2.a through 2.c, each storage unit shall conform to the following:

3.2.1 The exterior shall be painted white with all required signs painted in red.

3.2.1.1 Install a removable aluminum sign, 18 by 24 inches, on each access door showing user's name, points of contact (Hazardous Waste Coordinator and Alternate), and phone numbers.

3.2.2 Provide two fully charged 15 pound CO² fire extinguishers, mounted outside the storage units within four feet of each access.

3.2.3 Provide a minimum of 320 square feet of floor space, with a seven-foot minimum ceiling.

3.2.3.1 Floor load limit shall be a minimum of 100 pounds per square foot with raised grating for the storage area floor.

3.2.3.2 Floor space shall be liquid tight, including where the walls join the floor.

3.2.4 Accesses shall be contained through the use of noncombustible, liquid-tight raised coaming or ramps of at least four inches (10 cm) in height or otherwise designed to prevent the flow of liquids to adjoining areas.

3.2.5 Provide secondary containment designed to prevent the flow of liquids outside the containment area.

3.2.6 Aisles shall be maintained at a minimum of three feet wide.

3.2.7 Provide a minimum of 200 square feet of 24-inch wide shelving.

3.2.8 Provide a minimum of 10 foot candles of lighting throughout provided by explosive proof fixtures.

3.2.9 Provide a minimum of one explosive proof, grounded, 115 volt, 15 amp, single phase, AC duplex receptacle.

3.2.10 Provide ventilation for each storage unit by non-sparking electric exhaust vent fan(s) or a mechanical exhaust ventilation system(s). The location of the ventilation system(s) shall be arranged to provide air movement across all areas of the floor to prevent accumulation of flammable vapors. Exhaust from each storage unit shall be directed to the atmosphere, and not recirculated into compartment air.

3.2.10.1 Each ventilation system(s) shall provide, at a minimum, one cubic foot per minute (CFM) of exhaust per square foot of floor area, but not less than 150 CFM each if multiple ventilation systems are used.

3.2.11 Maintain temperature within 35 to 90 degrees Fahrenheit.

3.2.12 Separate each storage unit from other structures by a minimum of 25 feet.

(I)(G) "SITE APPROVAL"

3.2.13 Each storage unit shall be located within close proximity to the ship, as approved by local codes, regulations, and authorities.

3.2.13.1 Locate each storage unit within 500 feet of the ship when permitted.

3.2.14 Provide one each, portable eye wash station with a minimum of 15 gallons of flushing water capacity located adjacent to the storage units.

3.2.14.1 The eyewash station shall be within 100 unobstructed feet and no more than 10 seconds fast walk from the hazard.

3.2.14.2 If the storage units cannot be located together, a second eye wash station shall be provided as required by 3.2.14.1.

4. NOTES:

4.1 The approval for site location for the storage units shall be coordinated between the contractor, the Naval Station fire department, and the SUPERVISOR.

SUPSHIP JACKSONVILLE
LOCAL STANDARD ITEM

FY-02

ITEM NO: 099-54JA
DATE: 08 JAN 1997
CATEGORY: I

1. SCOPE:

1.1 Title: Removal of Government Property from Naval Station Mayport;
accomplish

2. REFERENCES:

a. None.

3. REQUIREMENTS:

3.1 Provide and maintain a Control System for Government property being transported by the contractor from the confines of the Mayport Naval Station.

3.1.1 Prepare a written procedure to accomplish the requirements of this item.

3.1.1.1 Submit one legible copy of the procedure to the SUPERVISOR for review and acceptance.

3.2 Government property to be removed from the Naval Station shall be accompanied by an official Government release document or a properly executed property pass.

3.2.1 The following are official Government release documents:

3.2.1.1 Government Bill of Lading, Standard Form 1103

3.2.1.2 Commercial Bill of Lading, signed by an authorized Government representative

3.2.1.3 Delivery Order, DD Form 1155

3.2.1.4 Request for Services, Form 4235/2

3.2.1.5 MILSTRIP Document, Form DD-1348-1

3.3 In the event the Government property is being removed from the Naval Station and an official Government release document does not exist, the contractor shall prepare a Government Property Pass, NAVSUP Form 155, and obtain a signature from a person authorized by the SUPERVISOR to sign property passes.

3.3.1 Return the Property Pass book with carbon copies intact to the SUPERVISOR, Code 500, when last Property Pass is used.

3.3.2 Notify the SUPERVISOR two weeks prior to the actual need of additional Government furnished Property Pass books.

3.4 Vehicles departing the Naval Station with Government property shall proceed through the Main Gate only, in the designated lane, and present the appropriate document to the gate guard.

4. NOTES:

4.1 The SUPERVISOR will submit a list of SUPSHIP Jacksonville personnel authorized to sign Government documents to the contractor.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

TOTAL QUANTITY <u>PROVIDED</u>	NAME <u>OF PART</u>	PIECE <u>NO.</u>	REFERENCE <u>NO.</u>	NATIONAL <u>STOCK NO.</u>	PARA <u>NO.</u>
5.1	Property Pass Book	5512/NAVSUP Form 155 (Rev 8/71)		0108LF5003901	3.3

SUPSHIP JACKSONVILLE
LOCAL STANDARD ITEM

FY-02

ITEM NO: 099-55JA
DATE: 21 JUN 1999
CATEGORY: I

1. SCOPE:

1.1 Title: Cleaning and Pumping; accomplish (RA/TA)

2. REFERENCES:

- a. Standard Items
- b. 29 CFR Part 1915, OSHA
- c. National Fire Protection Association Standard 312
- d. National Fire Protection Association Standard 306
- e. MIL-STD 777, Schedule of Piping, Valves, Fittings, and Associated Piping Components
- f. 802-5959353, MIL-STD-777 Modified for DDG-51 Class, Schedule of Piping, Valves, Fittings, and Associated Piping Components
- g. S9086-T8-STM-010/CH-593, Pollution Control
- h. S9542-AA-MMO-010, Shipboard Aviation JP-5 Fuel Systems
- i. S9086-SP-STM-010/CH-542, Gasoline and JP-5 Fuel Systems
- j. MIL-HDBK-291, Military Handbook Cargo Tank Cleaning

3. REQUIREMENTS:

3.1 Open, ventilate, empty, clean, and maintain "Safe for Workers" and/or "Safe for Hot Work", in accordance with 2.b through 2.d, any tank or space including adjacent tanks, spaces, or piping systems where the scope of repairs will result in a need for certification during the performance of this Job Order.

3.1.1 Ensure that harmful vapors, fumes, or mists are ventilated to the exterior of the vessel.

3.1.2 Install expandable plugs or blanks, painted blaze orange, in associated tank piping at the first valve or flange. Associated piping is defined as "an assembly of pipe, tubing, valves, fittings and related components forming a whole or a part of a system which starts or terminates in subject area, thus being common to and associated with same."

3.1.2.1 Submit four legible copies of a report listing the location of each expandable plug and blank to the SUPERVISOR.

3.1.2.2 Submit four legible copies of a report listing the location, origin, and quantity of each manhole cover removed in 3.1 in respect to its tank, ship's frame, and distance off centerline to the SUPERVISOR.

3.1.2.3 Remove each expandable plug or blank upon completion of repairs and testing, and install new gaskets and fasteners in accordance with applicable Categories and Group of 2.e or 2.f.

3.1.3 Clean and disinfect each CHT/sewage tank and associated piping in accordance with 2.g.

3.1.3.1 Maintain one system for Ship's Force use at all times.

3.1.4 Clean each tank and any associated piping in accordance with 2.h through 2.j.

3.2 Steam clean each area where the removal of preservative is required.

3.2.1 Install new rust preventative compound conforming to MIL-C-16173, Grade One.

3.2.2 Install new Monel fill and drain plugs conforming to QQ-N-281, Class B, to replace those removed to accomplish steam cleaning.

3.3 Pump tanks containing petroleum products to the low suction level of each tank.

3.3.1 Products shall be run through a flow meter calibrated in gallons.

3.3.2 Off-loading/on-loading of petroleum products shall be accomplished during daylight hours only.

3.3.3 Hoses, pumps, and storage containers shall be clean and dry prior to start of off-loading/on-loading.

3.3.4 Submit four legible copies of completed Attachment A (products inventory) to the SUPERVISOR.

3.3.5 Remove and dispose of liquids not being stored for reuse, including compensating sea water from the compensating fuel tanks, sludge, and debris in accordance with federal, state, and local laws, codes, ordinances, and regulations.

3.3.5.1 Fill the compensating fuel tanks with sea water upon completion of work.

3.4 Take samples of petroleum products from each tank or containment in accordance with 3.9.1 of 099-51JA prior to removal from ship and storage.

3.4.1 Accomplish analysis of petroleum products two working days prior to off-loading.

3.4.2 Accomplish a chemical analysis of each sample of distillate fuel and JP-5.

3.4.2.1 Test each sample for flashpoint, using the PENSKEY-MARTENS method. The flashpoint should be in the range specified by 2.i.

3.4.2.2 Measure and record the API Gravity at 60 degrees Fahrenheit.

3.4.2.3 Check the bottom sediment and water, using a centrifuge. For distillate fuel, sediment and water should be less than 0.1 percent. For JP-5, sediment shall not be greater than 8 milligrams per liter and there should be no visible traces of water.

3.4.2.4 Measure the acid number. The acid number shall be within five percent of the original value upon return to ship.

3.4.2.5 Submit four legible copies of results of the analysis of 3.4.2 to the SUPERVISOR.

3.5 Off-load and store or off-load and transport to the nearest Naval Fuel Depot (NFD), at the discretion of the contractor based upon cost effectiveness, the distillate fuel and JP-5.

3.5.1 Notify the SUPERVISOR prior to transporting the off-loaded petroleum products.

3.5.2 Deliver to the nearest NFD when directed by the SUPERVISOR. Conveyance will be accepted from 0730 to 1600, Monday through Friday, holidays excluded. The NFD will accomplish a petroleum analysis requiring a time duration of one hour prior to off-loading each conveyance.

3.5.3 Notify the NFD Director a minimum of five working days prior to delivering the off-loaded petroleum products, via the SUPERVISOR.

3.5.4 Submit four legible copies of completed Attachment A, signed by the NFD Director, listing the amount and type of petroleum products received, to the SUPERVISOR within 24 hours after disposition.

3.5.5 Distillate fuel and JP-5 fuel off-loaded and stored by the contractor shall be sampled and analyzed in accordance with 3.4.1 through 3.4.2.4 prior to on-loading.

3.5.5.1 Submit four legible copies of each analysis to the SUPERVISOR prior to on-load.

3.5.6 Provide ship with same type, grade, and quantity of distillate fuel and JP-5 off-loaded and stored, when directed by the SUPERVISOR.

3.6 Off-load and store in clean storage containers the lube oil and hydraulic oil from the tanks. On-load when directed by the SUPERVISOR.

3.6.1 Accomplish the requirements of 009-63 of 2.a.

3.6.1.1 Test and analyze samples from each tank prior to off-loading.

3.6.1.2 Test and analyze samples from each storage container prior to on-loading.

(V)(G) "VERIFY OFF LOAD COORDINATION"

3.7 Coordinate the off loading or transferring of fluids through the ship's Damage Control Assistant (DCA), via the SUPERVISOR, to maintain ship's stability and to prevent flooding.

3.7.1 Obtain a list from the SUPERVISOR of petroleum soundings for tanks prior to start of pumping operations.

(V)(G) "VERIFY CLEAN CONTAINER"

3.7.2 Off-load and store petroleum products in the quantities noted in the Job Order.

3.8 Clean each bilge of spaces noted in the Job Order, free of trash, debris, grease, oily liquids, and other liquid contaminants prior to the initial certification.

3.8.1 Maintain each bilge to a clean, dry condition for the duration of the availability on a 7-day-a-week, 24-hour-a-day basis.

3.8.2 Remove and dispose of additional gallons of non-hazardous liquids from bilges as noted in the Job Order, generated by the Navy, after initial cleaning and certification is obtained. Removals shall be measured.

Total amount of liquids removed greater or less than the above amount shall be the subject of an equitable adjustment.

(V)(G) "SOURCE DETERMINATION"

3.8.2.1 Submit four legible copies of a report listing the amount of gallons removed in 3.8.2, responsible source of liquids, and date liquids were removed after each pumping operation.

(V)(G) "CLEAN AND DRY BILGES"

3.8.3 Prior to space turnover, when directed by the SUPERVISOR, accomplish a final detergent cleaning of each bilge of spaces as noted in the Job Order, removing all trash, debris, grease, oily liquids, and other liquid contaminants from the bilges.

3.8.3.1 Reinstall and remove pumping equipment three evolutions after space turnover to support 3.8.1 and 3.8.2.

3.9 Clean each chain locker free of silt, mud, and foreign matter.

3.10 Dispose of liquids in accordance with federal, state and local laws, codes, ordinances or regulations.

3.11 Tank Closure Repairs:

3.11.1 Clean, chase, or tap threaded areas prior to installing covers.

3.11.2 Weld up, drill, and tap a total of 15 stripped manhole cover bolt holes for tanks opened in 3.1.

3.11.3 Remove existing and install new a total of 15 missing or broken manhole cover studs for tanks opened in 3.1 conforming to MIL-S-1222, Type IV, Grade 304.

3.11.4 Accomplish the requirements of 009-12 of 2.a, including Table 2, Columns A, B, C or D, Lines One through 7.

3.11.5 Accomplish the requirements of 009-32 of 2.a for disturbed surfaces.

(V)(G) "INSPECT TANK CLEANLINESS"

3.12 Inspect each tank for cleanliness prior to final closing.

3.12.1 Submit four legible copies of a report listing the names of personnel present during inspection to the SUPERVISOR within 72 hours after completion of final closing.

3.12.2 Install manhole cover for each tank, using new gaskets conforming to MIL-C-6183, Class One, new CRES washers conforming to FF-W-92, Type A, Grade One, Class B, and brass nuts conforming to MIL-S-1222, Type One, Grade 464.

3.12.2.1 Install gaskets conforming to ASTM D2000-75E, hex nuts conforming to ASTM A307, and hex head cap screws conforming to ASTM A307 for DDG-51 Class ships' sewage tanks.

3.12.2.2 Install hex head, self-locking nuts (nickel-copper) conforming to MIL-N-25027 for LSD-41 Class ships.

3.12.2.3 Install cotton wax wicking to studs prior to installing washers and nuts for DDG-51 Class ships.

3.12.3 Install access cover for each potable water, feedwater, and sewage tank, using new gaskets conforming to MIL-G-1149, new nuts conforming to MIL-S-1222, Type I, Grade 5, zinc coated, and new CRES washers conforming to FF-W-92, Type A, Grade One, Class B.

3.13 Accomplish the requirements of 009-32 of 2.a for new and disturbed surfaces.

4. NOTES:

4.1 Location(s) of the Naval Fuel Depot(s) receiving off-loaded fuels is/are available from the SUPERVISOR.

4.2 For the purpose of this Work Item, the terms "tank" or "space" include voids, cofferdams, and inaccessible or confined areas.

4.3 Consider each bilge to contain contaminated oily salt water.

4.4 Booklet of General Plans and Tank Sounding Tables are available for review at the office of the SUPERVISOR.

INVENTORY SCHEDULE - PETROLEUM PRODUCTS

SIGNATURES

ITEM NO: 099-55JA
FY-02

SUPSHIP JACKSONVILLE
LOCAL STANDARD ITEM

FY-02

ITEM NO: 099-56JA
DATE: 03 JAN 2001
CATEGORY: I

1. SCOPE:

1.1 Title: Temporary Deck Covering; provide

2. REFERENCES:

a. Standard Items

b. National Fire Protection Association Standard 701

3. REQUIREMENTS:

(V)(G) "INSPECTION"

3.1 Conduct a joint inspection with representatives of the SUPERVISOR and ship's Commanding Officer for areas affected by the specific requirements of the Job Order prior to installing temporary deck covering. Prepare a detailed condition report listing compartment number, type of deck covering, condition of deck covering, and location and type of defects found.

3.1.1 Document inspection on VHS videotape, with a vocal narration identifying each space, showing type of deck covering and location of defects found.

3.1.2 Submit one videotape and four legible copies of a detailed condition report signed by each inspector listing each compartment number, type of deck covering, condition of deck covering, and location and type of defects found.

3.2 Install within 48 hours of start of availability and maintain for duration of availability protective temporary deck covering over entire deck surface in each location identified in 3.1.

3.2.1 Install temporary deck covering for areas listed in 3.1, using woven or sheet polyethylene, color white or blue, Loretex T-3000, Finish Guard, or equal, and Koroseal or equal portable mat, diamond tread pattern, minimum 3/16-inch thickness, color gray or green, conforming to MIL-DTL-15562, Type III.

3.2.2 Polyethylene films shall be flame retardant in accordance with 2.b and shall be installed over existing ship's deck covering running bulkhead to bulkhead.

3.2.3 Portable mat shall be installed over polyethylene film covering in such a manner to preclude entry of debris, dirt, or foreign matter that will damage ship's existing deck covering.

3.2.4 Submit four legible copies of the manufacturer's certification that matting meets the requirements of MIL-DTL-15562 and that polyethylene film meets the requirements of 2.b to the SUPERVISOR within five working days after start of availability.

3.2.5 Seams and exposed edges of protective deck coverings shall be sealed with wear resistant tape conforming to PPP-T-60, Type IV, Class I, Polyken 231, olive drab or equal.

3.2.6 Protective deck coverings shall be lifted and existing ship's deck coverings cleaned whenever water, liquids, debris, foreign matter, or other contaminants which will degrade ship's deck coverings penetrate the faying surfaces of protective coverings and existing deck covering.

3.2.7 Protective deck coverings shall be lifted in their entirety, underlying decks cleaned, and protective deck coverings laid down an additional four times when directed by the SUPERVISOR.

3.2.8 Woven or sheet polyethylene protective deck covering shall be replaced once, in it's entirety, when directed by the SUPERVISOR.

3.2.9 Install temporary deck covering for areas identified in 3.1, using fire retardant treated exterior-type plywood a minimum of 1/4-inch thickness conforming to Category 2, Type ii, of MIL-L-19140. Plywood shall be marked with date of treatment and shall have exterior surfaces dyed or stained to a blue to blue-green color range.

3.2.10 Provide access to each manhole and each sounding tube.

3.3 Remove temporary deck covering when designated by the SUPERVISOR.

(V)(G) "INSPECTION"

3.3.1 Conduct a joint inspection with representatives of the SUPERVISOR and ship's Commanding Officer in each location, using detailed inspection sheet developed in 3.1. An agreement shall be executed addressing procedures and responsibilities for replacement and repair of deck covering damaged beyond normal use and wear.

3.3.2 Submit four legible copies of inspection report and executed agreement signed by each inspector to the SUPERVISOR within five working days after removal of temporary deck covering.

3.4 Accomplish the requirements of 009-32 of 2.a for new or disturbed surfaces.

4. NOTES:

4.1 Known source for woven polyethylene deck covering is:

Research Plastics Inc.
400 Border Street
East Boston, MA 02128
Attn: Stephen W. Wales
Phone: (617) 561-9444

4.2 Known source for sheet polyethylene and diamond tread matting is:

Zambetti Associates
93 Great Valley Parkway
Malvern, PA 19355
Attn: Tom Zambetti
Phone: (610) 647-9792

4.3 Known source for wear-resistant tape is:

Tyco Adhesives
1400 Providence Highway
Norwood, MA 02062
Attn: Customer Service
Phone: (800) 343-7875

SUPSHIP JACKSONVILLE
LOCAL STANDARD ITEM

FY-02

ITEM NO: 099-57JA
DATE: 02 AUG 2000
CATEGORY: I

1. SCOPE:

1.1 Title: Work Authorization Process; accomplish

2. REFERENCES:

a. Standard Items

b. PM 230-62, SJAX, Navy Standard Work Authorization Process (Joint Fleet Maintenance Manual (JFMM), Vol. V, part 1, Chapter 2.5)

3. REQUIREMENTS:

3.1 Provide a copy of the Work Authorization Form (WAF), Appendix E of 2.b, for authorization to start work, to the Commanding Officer's designated representative, for each Work Item in the Job Order in accordance with 2.b and the following.

3.1.1 Prepare and provide a WAF for availabilities of 10 days to 60 days in duration five days after award. For availabilities greater than 60 days duration, provide no later than 15 days prior to the start of the availability. Submit new WAF's and changes to existing WAF's no later than 24 hours after receipt of work from the SUPERVISOR.

3.1.2 A copy of the WAF signed by the Commanding Officer's and Contractor's designated representatives is required prior to start of work.

3.1.3 Submit Technical Work Document (TWD) record sheets with each WAF to identify the component(s), system(s), or structure(s) covered by the Work Item.

3.1.4 Submit changes to the WAF and/or TWD requirements in accordance with Paragraph 2.5.5 of 2.b.

3.1.5 The WAF shall be used in conjunction with the requirements of 009-24 of 2.a.

3.1.6 Maintain a signed copy of each WAF with its TWD on site.

4. NOTES:

4.1 Paragraph 2.5.4 of 2.b (Transfer of Non-Nuclear Systems) is not applicable to this Local Standard Item.

SUPSHIP JACKSONVILLE
LOCAL STANDARD ITEM

FY-02

ITEM NO: 099-58JA
DATE: 04 APR 1997
CATEGORY: I

1. SCOPE:

1.1 Title: Heavy Weather Plan for Naval Station Availabilities; provide

2. REFERENCES:

a. None.

3. REQUIREMENTS:

3.1 Provide a written plan which shall be implemented during gales, storms, hurricanes, and destructive weather.

3.1.1 Submit one legible copy of the plan to the SUPERVISOR no later than 15 days prior to the start of the contract availability period.

3.2 Ensure that the heavy weather plan designates responsibility and implements procedures for prevention of damage to naval ships, craft, barges, and lighters. This includes periods when ships, craft, barges, and lighters at naval facilities require openings to hulls or decks and when contractor owned/furnished floating equipment is tied alongside ships, craft, barges, and lighters.

3.3 The plan shall contain specific responsibilities and detailed actions to be taken during the conditions listed below:

3.3.1 Gale/Storm/Hurricane Condition IV: Trend indicates a possible threat of destructive winds of force indicated within 72 hours.

3.3.1.1 Verify trailers are properly secured.

3.3.1.2 Accomplish a walk down of piers and ship locations to identify equipment and material which must be secured or removed to a shop or off-base facility.

3.3.1.3 Evaluate and report status and location of FRAC tanks.

3.3.1.4 Report to the SUPSHIP JAX Hurricane Duty Officer when all preparations for Condition IV are complete.

3.3.2 Gale/Storm/Hurricane Condition III: Destructive winds of force indicated are possible within 48 hours.

3.3.2.1 Make arrangements to remove all CONEX boxes, material, equipment, etc., not currently in use to shops or storage at off-base facilities.

3.3.2.2 Make arrangements for disposal of non-hazardous waste and removal of FRAC tanks. Notify SUPSHIP JAX Hurricane Duty Officer of proposed disposition.

3.3.2.3 Make arrangements to store properly identified hazardous waste material drums/containers in contractor's interior location on base or at contractor's off-base facility.

3.3.2.4 Make arrangements to remove CONEX boxes holding hazardous waste/materials to the contractor's interior location, if any, on base or at contractor's off-base facility.

3.3.2.5 Report to SUPSHIP JAX Hurricane Duty Officer when all preparations for Condition III are complete.

3.3.3 Gale/Storm/Hurricane Condition II: Destructive winds of force indicated are anticipated within 24 hours.

3.3.3.1 Remove and secure all FRAC tanks.

3.3.3.2 Remove all portable work areas, CONEX boxes, cranes, equipment, and missile hazards from piers to shop areas of off-base facilities and disconnect all services to trailers.

3.3.3.3 Remove all hazardous waste/material to proper facilities.

3.3.3.4 Report to SUPSHIP JAX Hurricane Duty Officer when preparations for Condition II are complete.

3.3.4 Gale/Storm/Hurricane Condition I: Destructive winds of force indicated are anticipated within 12 hours or less.

3.3.5 Thunderstorm/Tornado Condition II: Destructive winds accompanying the phenomenon indicated are reported or expected in the general area within six hours. Lightning and thunder are also anticipated.

3.3.6 Thunderstorm/Tornado Condition I: Destructive winds accompanying the phenomenon are imminent. Lightning and thunder are also anticipated.

3.4 Ensure that the plan contains, as a minimum, the following information as dictated by conditions listed in 3.3 and considering major storms and Hurricane Categories 1 through 5 as delineated by the National Oceanic and Atmospheric Administration (NOAA).

3.4.1 Steps to be taken to remove or secure contractor furnished staging items or equipment, including cranes, that could become windborne, on decks of ships, craft, barges, and lighters, or pier.

3.4.2 Protection of ships, craft, barges, and lighters from damage from contractor furnished floating equipment, such as barges, doughnuts, and work floats.

3.4.3 Provisions for protection of government equipment and material in custody of the contractor from damage by pierside flooding.

3.4.4 Provisions for removal of temporary hoses, welding lines, air lines, oxygen/acetylene lines, etc., extending through watertight closures.

3.4.5 The name and telephone number (business and residential) of the private contractor's single point of contact. This person shall have the authority to commit the contractor to take necessary actions as requested by the SUPERVISOR.

3.5 Submit updated or changed plans to the SUPERVISOR as they occur.

4. NOTES:

4.1 The SUPERVISOR will set Conditions of Readiness consistent with the forecasts and advisories of the local Weather Service Office of NOAA.

4.2 NOAA defines the five categories of hurricanes as follows:

<u>CATEGORY</u>	<u>WIND SPEED</u>		<u>STORM SURGE</u>
1	74 - 95 MPH	OR	4 - 5 FT ABOVE NORMAL
2	96 - 110 MPH	OR	6 - 8 FT ABOVE NORMAL
3	111 - 130 MPH	OR	9 - 12 FT ABOVE NORMAL
4	131 - 155 MPH	OR	13 - 18 FT ABOVE NORMAL
5	GREATER THAN 155 MPH	OR	GREATER THAN 18 FT ABOVE NORMAL

SUPSHIP JACKSONVILLE
LOCAL STANDARD ITEM

FY-02

ITEM NO: 099-59JA
DATE: 02 AUG 2000
CATEGORY: I

1. SCOPE:

1.1 Title: Hazardous Waste Produced on Naval Vessels; control (RA/TA)

2. REFERENCES:

- a. Resource Conservation and Recovery Act (RCRA)
- b. Federal Hazardous Materials Transportation Act, 49 U.S.C. §5103
- c. Applicable Hazardous Waste Manifest Form
- d. 10 U.S.C. 7311

3. REQUIREMENTS:

3.1 Manage and dispose of all hazardous waste in accordance with 2.a and 2.b.

3.1.1 When a Navy generator number is required by this Work Item, submit the original of 2.c to the SUPERVISOR for assignment of Environmental Protection Agency (EPA) or delegated state environmental agency identification number.

3.1.2 Manage and transport for Navy disposal, Navy-generated hazardous waste in accordance with 2.a and 2.b, as designated by the SUPERVISOR.

3.1.3 Submit one legible copy of 2.c signed by the owner or operator of the disposal facility to the SUPERVISOR within 48 hours of receipt from owner or operator of disposal facility.

3.2 Complete documentation required by 2.a and 2.b, using EPA or delegated state environmental agency identification number in accordance with 2.d.

3.2.1 Documentation related to hazardous waste generated solely by the physical actions of Ship's Force or Navy employees (termed Navy-Generated Hazardous Waste) on board the vessel shall only bear a generator identification number issued to the Navy pursuant to applicable law. The

contractor shall obtain SUPERVISOR'S concurrence with the categorization of the waste as Navy-generated before completion of the manifest. The manifest prepared shall be presented to the SUPERVISOR for completion after the hazardous waste has been identified.

3.2.2 Documentation related to hazardous waste generated solely by the physical actions of contractor personnel (termed Contractor-Generated Hazardous Waste) shall bear a generator identification number issued to the contractor pursuant to applicable law. Regardless of the presence of other material in or on the shipboard systems or structure which may have qualified a waste stream as hazardous, where the contractor performs work on a system or structure using materials (whether or not the use of such materials was specified by the Navy) which by themselves would cause the waste from such work to be a hazardous waste, documentation related to such waste shall only bear a generator number issued to the contractor.

3.2.3 Documentation related to hazardous waste generated by the combined physical actions of Navy and contractor personnel (termed Co-Generated Hazardous Waste) shall bear a generator identification number issued to the contractor pursuant to applicable law and shall also cite in the remarks block a generator identification number issued to the Navy pursuant to applicable law. When the contractor merely drains a system and such drainage creates hazardous waste or the contractor performs work on system or structure using materials which by themselves would not cause the waste from such work to be hazardous waste but such work nonetheless creates a hazardous waste, documentation related to such waste shall bear a generator identification number issued to the contractor and shall also cite in the remarks block a generator identification number issued to the Navy. The contractor shall sign the generator certification on the Uniform Hazardous Waste Manifest whenever use of the manifest is required for disposal. The contractor shall obtain SUPERVISOR'S concurrence with the categorization of the wastes as co-generated before completion of the manifest. Manifests prepared shall be presented to the SUPERVISOR for completion after the hazardous waste has been identified.

3.3 If the contractor, while performing work at a Government facility, cannot obtain a separate generator identification number from the state in which the availability will be performed, the contractor shall notify the SUPERVISOR within three business days of receipt of written notification by the state. After obtaining approval of the SUPERVISOR, the contractor shall use the Navy site generator identification number and insert in the remarks block the contractor generator identification number issued for the site where his main facilities are located.

3.4 If, for availabilities at a contractor-owned or controlled facility, the Navy cannot obtain a separate generator identification number for use at a contractor facility, the Navy shall notify the contractor within three business days of receipt of notification by the state. The contractor shall dispose of hazardous waste in accordance with 2.a, 2.b, and 3.2.3.

3.5 Submit one legible copy of a report identifying type, amount, and disposal cost of waste that was removed during the performance of this Job Order to the SUPERVISOR.

3.5.1 The report shall include analysis or other method used to identify the waste and state whether each listed waste was hazardous (with generator assignment), non-hazardous, or did not exist.

3.5.1.1 Chemical analysis shall be accomplished by laboratories with state or EPA approved quality assurance programs.

3.5.2 The contractor shall make an effort to minimize hazardous waste generation by reducing the volume or toxicity by neutralizing, recycling, or otherwise removing it from the requirements of Subtitle C of 2.a and include a description of such efforts in the report.

3.6 Nothing contained in this Work Item shall relieve the contractor from complying with applicable federal, state, and local laws, codes, ordinances, and regulations, including the obtaining of licenses and permits in connection with hazardous waste handling and disposal in the performance of this contract.

4. NOTES:

4.1 The contractor is expected to use best management practice to identify and dispose of all hazardous waste. Some of the substances may be neutralized, recycled, or otherwise removed from the requirements of Subtitle C of 2.a. Processes that add hazardous constituents to the bilges may require that bilge water be disposed of as a hazardous waste.

4.2 Hazardous wastes are determined by one or more of the following methods:

4.2.1 Chemical analysis which shows that the material characteristics of ignitability, corrosivity, reactivity, and/or toxicity (Toxicity Characteristic Leachate Procedure - TCLP) exceed the limits for that material in 40 CFR 261.20 Subpart C.

4.2.2 Reference to a Material Safety Data Sheet (MSDS), or

4.2.3 Applying knowledge of the hazardous characteristics of the waste in light of the materials or the process used.

4.3 Asbestos, bilge water, oil/water including sludge, debris and other contaminants, sludge which includes solids and sludge from ballast tanks, CHT tanks, voids, oily waste tanks, fuel ballast tanks, fuel oil tanks, skegs (West coast), PCB's (Maryland), etc., apply only in those states listing them as hazardous waste.